

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference DCR/P34150WO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/004626	International filing date (day/month/year) 02/12/2005	(Earliest) Priority Date (day/month/year) 02/12/2004
Applicant ELECTROMAGNETIC GEOSERVICES AS		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB2005/004626

Box No. IV Text of the abstract (Continuation of Item 5 of the first sheet)

A source arrangement for generating electromagnetic (EM) wavefields, comprising an EM signal generator, at least three electrodes (141-144) connected to the generator, and a control system. The electrodes are spaced apart but not all in line. The control system is arranged to apply non-coincident time-varying signals or transmissions from the generator between different pairs of the electrodes. The non-coincidence can be by applying the signals sequentially or by applying the signals out of phase.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/004626

**A. CLASSIFICATION OF SUBJECT MATTER**  
G01V3/15 G01V3/12

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 633 182 A (DZWINEL ET AL) 30 December 1986 (1986-12-30)</p> <p>figure 2 column 1, line 55 - line 62 column 2, line 32 - column 3, line 16 column 3, line 61 - column 4, line 10 column 4, line 55 - column 5, line 9 column 5, line 30 - line 35</p> <p style="text-align: center;">----- -/--</p>	<p>1-10, 12-15, 20-22, 27-29</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

26 January 2006

Date of mailing of the international search report

03/02/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Juárez Colera, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/004626

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 2004/053528 A (UNIV CALIFORNIA 'US!;  CONSTABLE STEVEN C 'US!)  24 June 2004 (2004-06-24)</p> <p>page 3, line 1 - line 25  page 4, line 3 - line 17  page 5, line 3 - line 13  page 7, line 23 - page 8, line 7  page 12, line 26 - line 33  page 13, line 15 - page 14, line 4  figures 2,4</p> <p style="text-align: center;">-----</p>	<p>1-10,  12-15,  20-22,  27-29</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2005/004626

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4633182	A	30-12-1986	CA 1214519 A1	25-11-1986
			DE 3400284 A1	06-09-1984
			FR 2542097 A1	07-09-1984
			HU 36280 A2	28-08-1985
			PL 240884 A1	10-09-1984
			YU 24584 A1	31-10-1987
<hr/>				
WO 2004053528	A	24-06-2004	AU 2003297846 A1	30-06-2004
			BR 0316781 A	01-11-2005
			EP 1579248 A1	28-09-2005
<hr/>				